

Figure 1

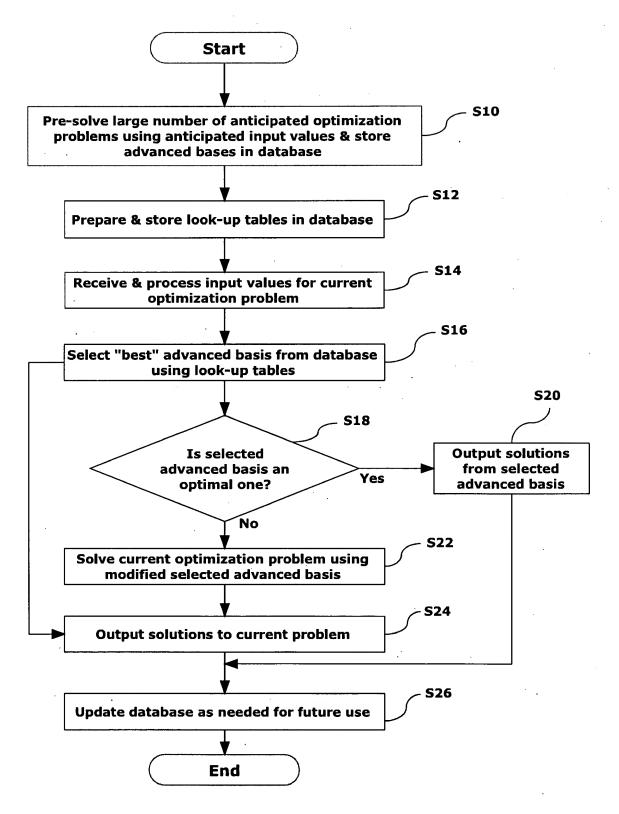
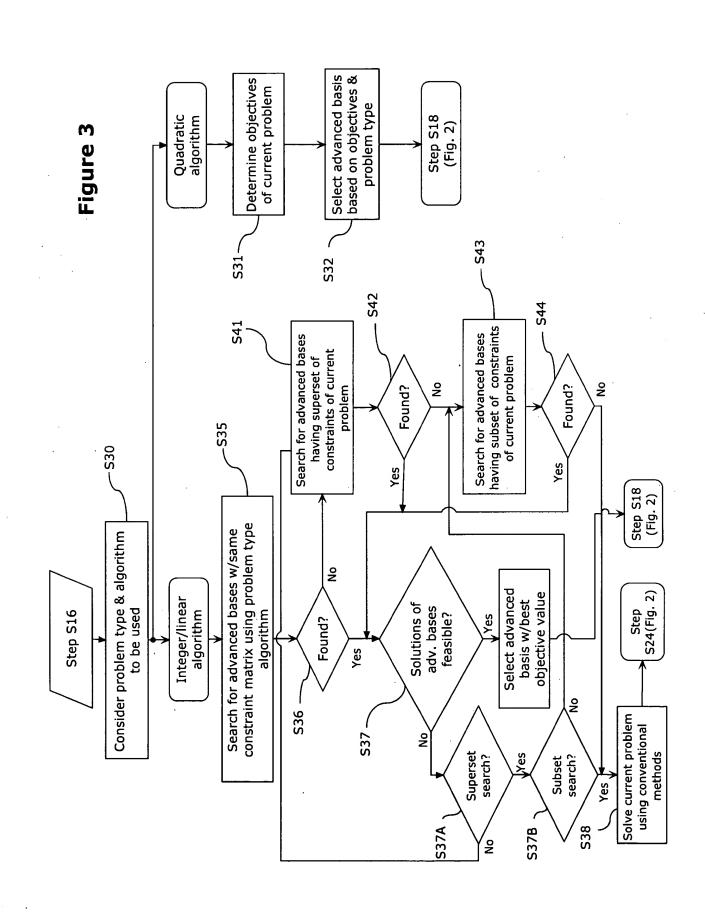
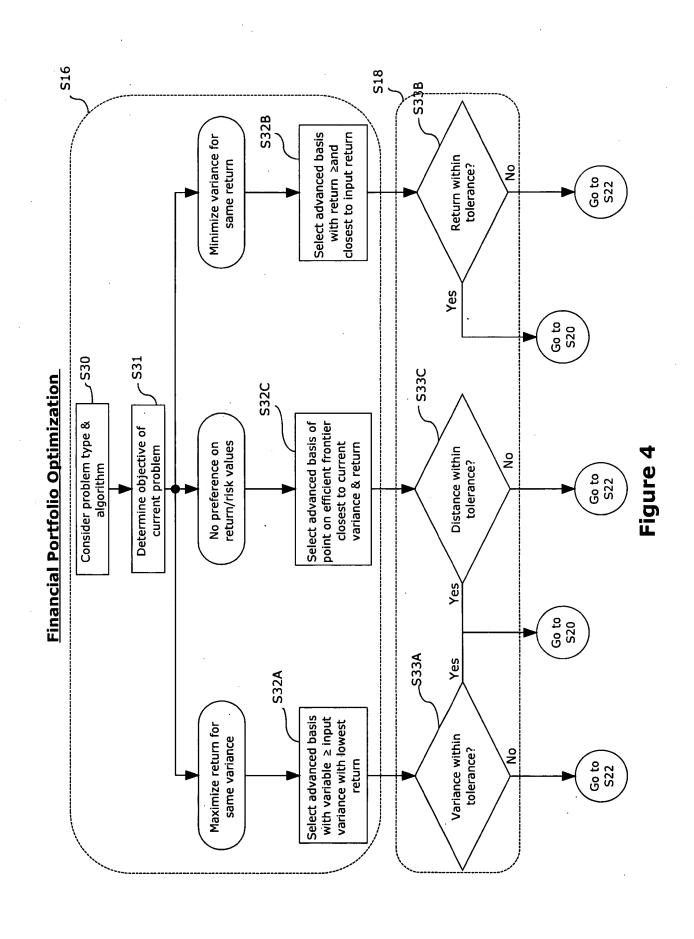


Figure 2





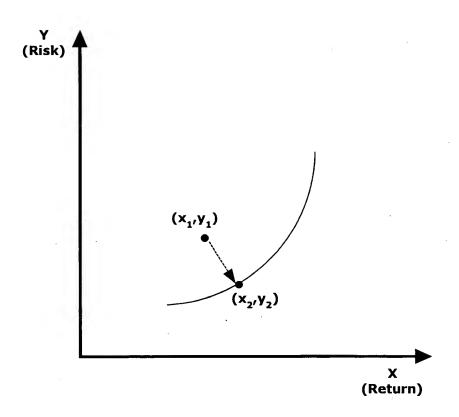


Figure 5

Table 1A

	DATA_FILE_NAME	PROBLEM_TYPE	OPTIMIZATION_ALGORITHM	
	portfolio 1 portfolio 2 portfolio 3	stock mutual fund US bonds	quadratic quadratic linear	
	•			
	Table 2A			
	DATA_FILE_NAME	SOLUTION_ID	OBJECTIVE_ VALUE	ADDRESS
R1 R2 R3 R4 R5	portfolio 1 portfolio 1 portfolio 1 portfolio 1 portfolio 1 portfolio 1 • • •	SOD14 SID15 SID16 SID17 SID18	12 13 15 18 22	1010 1020 1030 1040 1050
	Table 3A			
	DATA_FILE_NAME	SOLUTION_ID	EQUATION_NAME	RHS_VALUE
R1	portfolio 1	SID14	EQ1	14
R2 R3	portfolio 1 portfolio 1	SID14 SID15	EQ2 EQ1	100 15
R4	portfolio 1	SID15	EQ1 EQ2	100
R5	portfolio 1	SID16	EQ1	16
R6	portfolio 1	SID16	EQ2	100
R 7	portfolio 1	SID17	EQ1	17
R8	portfolio 1,	SID17	EQ2	100
R9 R10	portfolio 1 portfolio 1	SID18 SID18	EQ1 EQ2	18 100

FIGURE 6A

Table 1B

DATA_FILE_NAME PROBLEM_TYPE

	diet 1	calorie diet	linear	
	diet 2	carbohydrate diet	linear	
	•	,		
	•			
	•			
	Table 2B			
			OBJECTIVE_	
	DATA_FILE_NAME	SOLUTION_ID	VALUE	ADDRESS
R1	diet 1	S2000	12	3010
R2	diet 1	S2200	11	3020
R3	diet 1	S2300	9	3030
R4	diet 1	S2400	5	3040
R5	diet 1	S2500	4	3050
	•			
	•			
	•			
	Table 3B			
	Tuoic 3D			
	DATA_FILE_NAME	SOLUTION_ID	EQUATION_NAME	RHS_VALUE
R1	diet 1	S2000	EQ10	2000
R2	diet 1	S2000	EQ11	100
R3	diet 1	S2200	EQ10	2200
R4	diet 1	S2200	EQ11	100
R5	diet 1	S2300	EQ10	2300
R6	diet 1	S2300	EQ11	100
	•			
	•			
	•			

OPTIMIZATION_ALGORITHM

FIGURE 6B